M. A. R. 57 (Rule 116)
Measurement Book

No. B

425346

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(35) Sinking borewell of 165 mm dia clear using Sewer fast hydraulic rig of capacity 200 PSI and above CFM and above in all soils including over burden up to 20 mts fixing & casing pipes coupling and cap with necessary cutting smoothening and welding including transportation of rig and supervising vehicals crew charges and cost of consumables etc. complete as per specification. 0.00 to 50.00 MSR Rate. 327-60		Previous Day - 850.00 MSR Present Day - NIL				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
36	Sinking borewell of 165 mm dia clear using Super hydraulic rig of capacity 200 PSI & above CFM and above in all strata including over burden upto 20 mtr fixing & casing pipes cement and cap work, reaming cutting shroading and feeding including fuel & rig and supervising vehicles crew charges etc complete as per specification.						
	SD to 100.00 mtr						
						Previous Qty.	810.00 mtr
						present Qty.	Nil
	Page. 1120:40						

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Name of Work ..... From..... To.....

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
57	Sinking boreweee 8 165mm dia clear using Super fast hydraulic rig of capacity 200 PS IC and above CFM and above in all strata including over burden upto 20 MSW fixing & casing P.Pes Coceing and capping necessary welding threading and welding including transportation of rig keeping vertical check cuves and cost & Consumable etc. complete as per specification.						
	100 to 150 MSW.		Previous	Qty.	800.00	MSW	
	Rate. 477:10		Present	Qty	Nil		

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(38)	Sinking boreweel of 165 MM dia clear using Super fast hydraulic rig of Capacity 200 PSI & and above CFM and above in all strata including over burden upto 20 MSR fixing of casing pipes casing and cap with necessary casing shoe loading and welding including transportation etc.. complete as per specification 150.00 to 200.00 MSR Page. 503:10	Previous Qty - 800.00 MSR Present Qty - Nil				—	
(39)	Sinking boreweel of 165 MM dia clear using Super hydraulic rig of Capacity 200 PSI & and above CFM						

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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and above in all strata including over burned upto zone of fixing S casing Pipes casing and cap as per necessary cutting threading and welding including transportation & fixing and lowering vertically etc. complete as per specification. 200.00 to 250.00 Mtr					Previous Qty. 800.00 Mtr Present Qty Nil	
40	Rate: 582:30 Sinking bore wells 216 mm dia cleaning using percussion hydraulic rig & clearing 200 RL & and above CF Mandatory						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in all strata including over burden up to 20 mtr including fixing & casing pipes screens and cap with necessary threading and welding including pump test & drg and supporting machinery cost & consumables complete as per specification.						
	200 to 300 mtr					Previous Qty. 764.00 mtr	
	Rate: 624:60					Present Qty. Nil	
(41)	Sinking borewell of 165 mm dia rcc using heavy duty hydraulic drg & capacity 200 PSI & above CFM and above in all strata including over burden						

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Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	up to 20 MSS fixing & casing pipes Coloring and cap with necessary cutting threading and welding including providing & drg and supporting vertical ese-- complete as per specification.						
	300 to 350 mm					Previous Qty. 785.00 Mtr	
						Present Qty NIL	
	Rate: 666=00						
M2	Sinking bore well of 165 mm diaclear using Submersible hydraulic rig & Capacity 200 PSI and above CFM and above						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in all strata including over burden upto 20 MPS & Casing Pipes Coupling and Cap with necessary Cutting Screwing and welding including transportation & lifting and Lowering materials Crew curing etc. Complete as per specification. Above 350.00 MSR						
	Page 70 of 70					Previous Qty - 371.00 MSR Present Qty - Nil	
(43)	Supply of ISI Mark 175 mm nominal bore plain end steel pipe upto & including 5.4 mm thick conforming to IS 4270/2001 Class A						

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Serial No. .....

425350

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Electric Resistance welded steel fusemesial and conforming to IS 1387/1993 and manufactured by Safex Open hearth electric or basic oxygen process in random lengths 5 to 7 mtrs both sides ese. Complete as per specification.						
	Rate. 1419:30				Previous @ by.	760.00 Mtr	
					Present @ by.	Nil	
44	Providing 200 mm dia PVC pipes 6 kg/cm ese. Complete as per Specification.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measu. No.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
					Previous Qty -	252.00 Mtr	
					Present Qty -	Nil	
	Rate. 808+20						
(15)	Providing and fixing 160 mm Bonnet Cap						
					Previous Qty -	14 Nos	
					Present Qty -	Nil	-
	Rate. 107+10						
(16)	Supply and delivery of sluice brand make (Kirloskar/Lusi/Sabar/Atlanta/Calamal/ make) Sluice Screwed end installation in 150 mm bonnet complete of single flange or mechanical						

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Name of Work ..... From..... To.....

425351

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	HP Submersible Speed Pump Set Deep Drinking Water (Wet type) Comprising Induction Motor Submersible for operation with Supply fitted with required accessories including Suction Casing Suction Strainer and Delivery non return valve etc. complete as per Specification. 12-50 HP 25 Stage. Rate. 79575:30	Previous Qty Present Qty				14.00 Nos Nil	Fixed with case Segments & 3 Ph 50 Hz 230/400 Volts

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement No
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(47)	Supplying & ISI marked galvanised mild steel Tube (Continuously Welded electric resistance Welded (ERW) with screwing induction Welded (IFI W) Hot finished Welded type & nominal bore given below Screwed End as from ends of Rev 1 54/1986 With latest amendments Pipe screwing of one end and the other End processed as per specification etc. complete as per specification.						
						Previous Qty. 3515.00 Mtr	
						Present Qty. Nil	
	Rate: Rs 1 + Rs						

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Name of Work ..... From..... To..... 425352

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18)	Heavy Duty Cover.	50 nos dia.					
		Previous Qty.				616 Nos	
		Present Qty				Nil	
	Page 139 item 50						
(19)	Supplying and drawing 3 Core 6 sq mm Pvc Greased Sub-mersible pump cable manufactured with electrolytic grade copper with flexible copper with flexible Copper with low resistance Conductor conforming to Table 3 class 5 of IS 8130 1984 and virgin grade pvc insulation and power coating						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Excluded the ground Surface for working voltage upto 1100 Volts etc. complete as per Specification.						
					Previous Qty.	7160.00 Mtr	
	Rate. 202.00				Present Qty.	NIL	
50	Excavation of pumpsets including shoring and Balancing all necessary excavation material and Lasour including Supply and erection of one pair Gunmetal clamps one Sonewell Cast Iron bolts nuts bolts valves Gunmetal etc. complete.						
	Rate. 3213.00				Previous Qty.	14 Nos	
					Present Qty.	Nil	

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Name of Work ..... From..... To..... 425353

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5/1	Supplying and fixing made & not less than 15mm thick plank on both sides with planing made out & not more than 2 pieces and fixing the same to the wood using tapped inversed wooden plugs etc. complete as per specification. Rate. 323:00	20"x 20"x 2.5"				Polished Wood board	
		Previous qty				14 nos	
		Present qty				nil	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(52)	Supplying & 1.1 KV LT XLPE cable having aluminium conductor pre insulated extruded inner sheath galvanised steel strip (except 2 core x 10 sq mm wire armoured) conforming and expressed pure outer sheath armoured cable with ele. connection as per specification Page. 180 : 30					Previous Qty. 420.00 Mtr Present Qty. Nil	
(53)	Labour charges for laying & 1.1 KV class XLPE cable in existing trench on PCC pipe / stone ware pipe / on wall on pole as required in existing ele. connection as per specification.						

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Serial No. .....

Name of Work ..... From..... To..... 425354

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Previous Qty.	420.00 Mtr	
	Rate · 11:70				Present Qty.	Nil	—
(54)	Digging & Trenches @ 0.6m deep x 0.30 Mtr wide regrading the Trenches to the required ground Level and Consolidating etc.. Complete as Per Specification.						
					Previous Qty.	349.00 Mtr	
					Present Qty.	Nil	—
	Rate · 90:90						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(55)	Supplying and fixing G class A (medium duty) GI pipe & wall thickness not less than 3.25 mm on pole/wall Drain crossing with necessary clamping arrangement Ser ref Cable 1.1 kV.						
					Previous Qty :	56.00 Mtr	
	Rate : 369.90				Present Qty :	Nil	
(56)	Supplying and fixing LT cast iron pole heads Suitable for 1.1 kV class XLPE cable fixed with necessary fitments (insulator) complete Complete with formation clamps bolts nuts and washers etc. Complete as per Specification.						

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No. B

Serial No. .....

425355

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Previous Qty.				14.00 Nos	
		Present Qty.				Nil	
	Rate. 299:70						
	(57) Supplying fixing wiring earth electrode for grounding Conductor, Accessories and other requirements on the metal board using 40 mm dia 2.90 mm thick GI Pipes 2.5 mtr long buried in a pit. The pit should be filled with equal proportion of Salt and Charcoal 150 mm all around the Pipe to complete earth connection from the Pipe to the conductor etc.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	is to be established through GI bolt & size as per IS1 specification 12mm dia bolts nuts washers and check nuts etc. complete.						
		Previous Qty.				14.00 Nos	
	Rate: 2920:50	Present Qty.				Nil	
58	Supplying and fixing 8 Porcelain fuse channel with cut out on existing wooden/Panel using necessary nuts bolts and washer etc. complete.						
		Previous Qty.				84 Nos	
	Rate: 192:60	Present Qty.				Nil	

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425356

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(59) Providing and fixing in position 50 mm nominal bore gun metal non return valve horizontal type of approved make including cost of all necessary labour and tools & tackles complete as per specification.						
		Previous Qty - 14.00 Nos					
	Rate. 1730:70	Present Qty - Nil				-	
	(60) Providing NRV CP Water fittings in position as per direction including cost of necessary						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement No of page
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Previous Qty.	14.00 Nos	
	Rate. 248:40				Present Qty.	Nil	
(61)	Supplying and fixing 50 mm dia GI socket nipple with IS1 mark with packing and all loading unloading and lowering charges etc. complete.						
					Previous Qty.	53.00 Nos	
	Rate. 85:00				Present Qty.	Nil	
(62)	Supplying Sluice Valves conforming to IS 2834 3 phase 415/440 volts Grade for power frequency improvement by providing necessary capacitor						

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425357

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	In KVAR Grading MCBs & KVAR Capacity wonall load and test loading reloading and taken curves etc. complete as per Specification.						
	Page. 375 : 30					Previous Qty - 14.00 Nos Present Qty - Nil	
(63)	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing material and C type curve indicator on load every Ckt 3 ph shall						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measur. &c
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Cross Breaking Strength of Concrete Cubes as received Conforming ISI Specification.	Capacity 3 Tons					
	Base: IS 516 : 1959	Previous Qty.				14.00 Nos	
		Present Qty.				Nil	
(64)	Fabricating Supplying and mounting MS Base plate with suitable size holes for fixing the mounting assembly with proper precision and size of the head assembly provided with hinged frame cover complete with clamper press locking arrangements with gasket size clamps with necessary size studs. Pre-treatment with standard base primed both inside and with approved colour enamel paint						

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No. B

425358

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Previous Qty.			305826.00 Sqcm.	
			Present Qty.			Nil	
	Rate. 0:36						
(65)	Supplying and delivery of size brand medium/Essen/Coxes/ Sensuss/Adarsh/GK controls best indigenious make consume energy meter cum control panel board unit of size 600x400x200 MM minimum mechanically strong vermin and water proof one unit shall have MCB detachable doors suitable for operation on 3ph 50 Hz 380/440 volts supplying MCB complete with						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measur No. .. 8 of W of C of cor
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	Locking device with a key inside the door Canopy apron and covers should be provided Sluice Provided the Conduit every meter cum Control Panel board with Suitable for operation 12.00 M to 15 HP Star Delta Starter.						
	Previous day .					14.00 Nos	
	Present day .					Nil	
	Page - 11781-10						
(66)	Earthwork excavation for Pipeline trenches including depositing or Sand up to a lead of 50 mtrs including Survey and staking danger lighting and using six sum and forming pegs of every 100 mtrs however x						

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No. B

425359

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Measuring of dressed in the foundation structure manhole ese-complete as per specification Previous qty . Present qty . Rate. 201.60					380.25 m^3 NIL	
(67)	Providing and installation of size & class PVC Pipes to including cost & Pipes and specials and including lowering in to trenches laying true to line level and perfect jointing						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of joining leak proof including joining excavating the pipe around to a depth not less than 15cm with gravel or selected earth arisings from the excavation.						
			Previous agg.			845.00 Mtr	
	Rate. 168=30		Present agg			nil	
(68)	Refilling the basement and Pipeline trenches with selected arisings earth for trenches excavation including necessary condition in layers from mud including disposal of the surplus earth not exceeding 200 mtr.						

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425360

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Previous Qty.			380.25	m^3
			Present Qty.			Nil	
	Page - 65 : 70						
	(69) Providing and fixing in position CI wheel & approved quality (screwed end) bore including cost & all necessary labour and		Brass gate			Valve 100 x	50 mm Nominal
	tools & equipment						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With all leads complete as per Specification.						
					Previous Qty -	28.00 Nos	
	Page · 2373 : 30				Present Qty -	Nil	—
						Total Rs ·	1607947
	Certificate - ① Certified that the work done Satisfac						
	② This bill Amount has not been claimed						
	any of previous bill.						

BENAKA DEVELOPERS AND PROJECTS PVT. LTD. BANGALORE

5/6/2019

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

5/6/2019

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು

ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-26

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